



# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

सं. 22] नई दिल्ली, शनिवार, मई 29, 1976 (ज्येष्ठ 8, 1898)

No. 22] NEW DELHI, SATURDAY, MAY 29, 1976 (JAISTHA 8, 1898)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

Separate paging is given to this Part in order that it may be filed as a separate compilation.

### भाग III—खण्ड 2

### PART III—SECTION 2

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[ Notifications and Notices Issued by the Patent Office relating to Patents and Designs ]

#### THE PATENT OFFICE

#### PATENTS & DESIGNS.

Calcutta, the 29th May, 1976.

#### CORRIGENDA

(1)

In the Gazette of India, Part-III, Section 2, dated the 1st July, 1972, in page 204, Column 1, under the heading "Cessation of Patents."

Delete 110117

(2)

In the Gazette of India, Part-III, Section 2, dated the 13th March 1976 in page 251, column 2, under the heading "Cessation of Patents."

Delete 132582

(3)

In the Gazette of India, Part-III, Section 2, dated the 13th March, 1976, in page 251, Column 2, under the heading "Cessation of Patents."

delete 133460

(4)

In the Gazette of India, Part-III, Section 2, dated the 27th March, 1976, in page 287, Column 2, under the heading "Cessation of Patents."

Delete 96087

#### APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act,

22nd April, 1976

693/Cal/76. K. I al. Improvements in or relating to picture frames.

694/Cal/76. DSO "Cherna Metalurgia". Method for steel-making with direct current.

695/Cal/76 Vesojuzny Nauchno-Issledovatelsky I Konstruktorsko-Tekhnologichesky Institut Prirodnnykh Almazov I Instrumenta. Abrasive Material.

696/Cal/76. Pfizer Corporation. Preparation of ozazolidine derivatives. [Divisional date April 3, 1975].

23rd April, 1976

697/Cal/76. Council of Scientific and Industrial Research. Road unevenness tester.

698/Cal/76. Council of Scientific and Industrial Research. An Automatic mechanical profile recording system particularly suited for road unevenness tester and similar devices.

699/Cal/76. Council of Scientific and Industrial Research. An Automatic numerator particularly suited for automatic mechanical profile recording system & similar devices.

700/Cal/76. Fertilizer Corporation of India Limited. A process for the preparation of sodium tripoly-phosphate from trisodium phosphate.

701/Cal/76. C. G. Von Berckheim. Ion generator.

702/Cal/76. C. G. Von Berckheim. System having a high-voltage, direct-current generator for ceiling electrodes.

703/Cal/76. Iacrex Brevetti SA. A tool for turning screw heads, nuts and the like,

704/Cal/76. Anic S.p.A. Method for the transesterification of thiocarbamic acid esters.

705/Cal/76. F. L. Smidt & Co. A/S. Improvements relating to rotary drum plants. (May 7, 1975).

706/Cal/76. Braunschweigische Maschinenbauanstalt. Continuously operating sugar centrifuge.

707/Cal/76. Amado Laguna De Rins, S.A. Safety fuse for underwater artefacts.

708/Cal/76. Humes Limited. Pipe seal.

709/Cal/76. Indian Oxygen Limited. Composite process for the production of pigmentary iron oxide, alum and titanium dioxide.

24th April, 1976

710/Cal/76. Council of Scientific and Industrial Research. Improvements in ion-exchange membranes based on interpolymer coating compositions.

711/Cal/76. British Railways Board. Improvements relating to alkali Metal-sulphur cells. (April 24, 1975).

712/Cal/76. OY E. Sarlin AB. Pump means.

713/Cal/76. Superba S.A. Domestic knitting machine.

714/Cal/76. Superba S.A. Domestic knitting machine provided with an electronic synchronization assembly for selecting needles.

715/Cal/76. Federal-Mogul Corporation. Process for making composite bearing material.

26th April, 1976

716/Cal/76. Stiko B.V. Gas pressure thermometer and apparatus for application in a gas pressure thermometer.

717/Cal/76. Dana Corporation. Speed control circuit.

718/Cal/76. BBC Brown, Boveri & Company, Limited. Combined emergency and governor valve for a turbine system.

719/Cal/76. OY E. Sarlin AB. Centrifugal pump.

720/Cal/76. S. A. D'Explosifs ET DE Produits Chimiques. Improvements in detonators.

721/Cal/76. Westvaco Corporation. Low porosity cement and processes for producing same.

722/Cal/76. Canadian Industries Limited. Improvements in and relating to stabilized foamed water gel explosives. (May 8, 1975). [Addition to No. 279/Cal/75].

723/Cal/76. Simon-Hartley Limited. Improvements in or relating to penstocks. (May 6, 1975).

724/Cal/76. Myron J. Coplan and Thomas W. Brooks. Devices for controlled release of vapors.

725/Cal/76. G. M. Kamarian. Electrolyzer.

27th April, 1976

726/Cal/76. Western Geophysical Company of America. Seismic data processing system and method.

727/Cal/76. Gruppo Lepetit S.p.A. Process for preparing new aminopyrrole derivatives. [Divisional date August 20, 1974].

728/Cal/76. Lucas Industries Limited. Electromagnetic devices. (March 11, 1976).

729/Cal/76. Barber-Colman Company. Vacuum system for open and spinning machines.

730/Cal/76. Barber-Colman Company. Combination structural backbone and air duct.

731/Cal/76. Vandervell Products Limited. Improvements in or relating to bearings.

732/Cal/76. Telefonaktiebolaget L M Ericsson. A method and an arrangement intended to execute date processing instructions after each other in function units of a computer.

733/Cal/76. Cornell-Hoskinson Manufacturing Corp. Combustion apparatus utilizing an auger having an internal air supply system.

734/Cal/76. Hoechst Aktiengesellschaft. Process for the preparation of acetoacetylarylamides.

735/Cal/76. Hoechst Aktiengesellschaft. Process for the preparation of 5-acetoacetylaminobenzimidazolone.

736/Cal/76. Hoechst Aktiengesellschaft. Process for the preparation of N-acetoacetyl-2, 5-dimethoxy-4-chloroanilide.

737/Cal/76. Hoechst Aktiengesellschaft. Process for preparing 1-(N-β-cyanethylamino)-3-acylaminobenzenes.

738/Cal/76. Fibreglass Limited. Improvements in or relating to the production of glass fibres. (May 15, 1975).

739/Cal/76. VEB Fotochemische Werke Berlin. Process for preparing a coloured carrier material for X-ray film coating.

28th April, 1976

740/Cal/76. Council of Scientific and Industrial Research. Heat Treatment cycle for 100 mm diameter high chromium high carbon grinding media balls.

741/Cal/76. Council of Scientific and Industrial Research. A process for the synthesis of substituted-2-naphthalimides as cestocidal agents.

742/Cal/76. R. K. Mehrotra. Portable electric lamp.

743/Cal/76. Dr. C. Otto & Comp. GHMB. Tubular reactor for performing endothermal gas reactions.

744/Cal/76. Rhone-Poulenc Industries. Method of preparing polymers of vinyl chloride.

745/Cal/76. USM Corporation. Direct acting hydraulic dust stop.

746/Cal/76. D. P. Caulier. Solar energy pick-up.

747/Cal/76. Bharat Heavy Electricals Limited. Double shrouding of gas in tungsten inert gas (tig) welding.

748/Cal/76. Bharat Heavy Electricals Limited. A new type of a combined high pressure and intermediate pressure reheat turbine cylinder design.

749/Cal/76. J. A. Eastin. Manufacturing and using nitrogen fertilizer solutions on a farm.

750/Cal/76. Y. S. Riman (2) A. P. Poltorak (3) S. S. Nedosekov (4) N. A. Tarabrina (5) V. I. Galenko (6) N. T. Krasilnikov (7) F. I. Kukenko (8) V. G. Mironenko (9) A. M. Kharchenko & (10) J. S. Levchuk. Explosion-proof electrical apparatus.

751/Cal/76. Eyesult Izzolampa ES Vilamossagi RT. Process and apparatus for replenishing depleted containers for storing thin and flexible components.

APPLICATION FOR PATENTS FILED AT THE  
(BOMBAY BRANCH)

5th April, 1976

111/Bom/76. Shri V. P. Dabai & Mr. Sami S. E. Engineer. Improvements in and relating to hair curling rollers.

7th April, 1976

112/Bom/76. N. A. Kudav. Nitration process for organic compounds using urea nitrate as nitrating agent and its applications in industry.

113/Bom/76. J. A. Gajjar. An apparatus for manufacturing hosepipes of thermoplastic material.

9th April, 1976

114/Bom/76. V. P. Asar. An improved antenna system for wireless transmission and/or reception.

**APPLICATION FOR PATENTS FILED AT THE  
(MADRAS BRANCH)**

14th April, 1976

63/Mad/76. C. T. Muthukumaraswamy. Improvements in or relating to drafting machines.

64/Mas/76. V. Manickam. Improved compression gauge.

65/Mad/76. S. Ganesan (2) D. Sugantharaj (3) K. N. Chetty Shanmugham and M. I. Sait. A wave energy converter.

15th April, 1976

66/Mad/76. S. G. Patil. A furniture which can be converted into a dining table or a cot or a reading and writing table, or a tepoy. [Addition to No. 25/Mas/76].

67/Mas/76. S. G. Patil. A furniture which can be converted into a dining table or a cot or a reading and writing table, or a tepoy.

17th April, 1976

68/Mas/76. C. D. Raja and R. K. Devi. Improved modern veena.

69/Mad/76. The K. C. P. Limited. An automatic feed control system for uniform and efficient feeding of material to mills or crushers.

20th April, 1976

70/Mas/76. IDL Chemicals Ltd. A method of preparing compositions of explosives based on powdered ammonium nitrate.

23rd April, 1976

71/Mas/76. M. P. Govind. Finned type heat exchanger element with integral fins and of welded construction.

**ALTERATION OF DATE**

139272

Ante-dated to 18th April, 1973.

2026/Cal/75

139281

Ante-dated to 14th November, 1962.

1984/Cal/74.

139285

Ante-dated to 21st January, 1974.

1676/Cal/75

139297

Ante-dated to 20th September, 1972.

56/Cal/75

139298

Ante-dated to 16th August, 1974.

2049/Cal/75

**COMPLETE SPECIFICATION ACCEPTED**

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 36 of the Patents Rules, 1972.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2 (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 321,+F,b. I.C. C07d 99/24

139259.

**PROCESS FOR PREPARING 3-THIOLATED-7-ACYLAMIDO-CEPHALOSPORANIC ACID DERIVATIVES.**

Applicants : BRISTOL-MYERS COMPANY, OF 345 PARK AVENUE, NEW YORK, NEW YORK, UNITED STATES OF AMERICA.

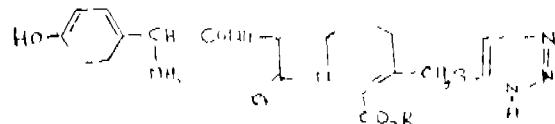
Inventors : DAVID WILLNER AND LEONARD BRUCE CHIEST, JR.

Application No. 2808/Cal/73 filed December 26, 1973.

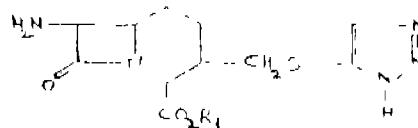
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

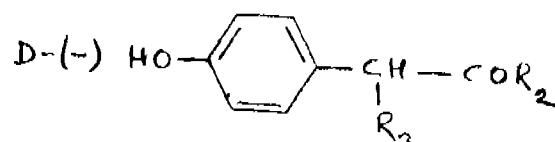
A process of producing compounds of formula IA,



and/or its pharmaceutically acceptable salts thereof where R<sub>1</sub> stands for hydrogen or an easily cleavable ester group which process comprises reacting a compound of formula IIa,



where R<sub>1</sub> is as defined before or a salt thereof with an acylating derivative of formula IIIa.



where R<sub>2</sub> is OH or Cl and R<sub>3</sub> is NH<sub>2</sub>HCl or NH<sub>2</sub>B where B is an amino protecting group to produce, after removal of the amino protective group in a conventional manner, a compound of formula IA followed by, if desired, converting the

group R<sub>1</sub> in a conventional manner from H to ester group or vice versa the pharmaceutically acceptable salts being prepared in a conventional manner.

CLASS 145C. I.C.-B32h 9/06. 139260.

#### BAGASSE—FLYASH—POLYMER COMPOSITES.

Applicants : BHABHA ATOMIC RESEARCH CENTRE, TROMBAY, BOMBAY-85, A SCIENTIFIC INSTITUTION/LABORATORY OF THE DEPARTMENT OF ATOMIC ENERGY, GOVERNMENT OF INDIA.

Inventors : DR. VASUDEVA KILARA IYA AND SARVASHRI ASHOK BHIMAJI MAJALI AND ASHOK MOHAN ADUR.

Application No. 71/Bom/72 filed October 27, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

4 Claims. No drawings.

A process for preparing bagasse-flyash-polymer composite boards of sheets comprising insitu polymerization of monomers as herein described either individually or their mixtures in bagasse and flyash based boards or sheets and heating to 50° to 90°C.

CLASS 32F<sub>a</sub>b, 77C & 83A<sub>a</sub>. 139261.

I.C.-C07C 51/36, C1JC 3/12, & B01J 11/06, 11/16.

#### A PROCESS FOR HYDROGENATING POLYUNSATURATED FATTY ACIDS.

Applicant . HINDUSTAN LEVER LIMITED, OF HINDUSTAN LEVER HOUSE, OF 165-166, BACKBAY RECLAMATION, BOMBAY-400020, INDIA.

Inventor : ADRIEN GEORGE HINZE.

Application No. 32/Bom/73 filed January 23, 1973.

Convention date January 25, 1972/(3426/72) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

35 Claims.

A process for hydrogenating polyunsaturated fatty acids such as hereinbefore described in the presence of a polar solvent and a catalyst comprising Pd (II) in a support-material as herein described.

CLASS 155D. I.C.-B32b 17/00, 19/00. 139262.

#### A METHOD OF AND AN APPARATUS FOR PRODUCING MINERAL FIBER MATS.

Applicants : JOHNS-MANVILLE CORPORATION, AT GREENWOOD PLAZA, DENVER, COLOURADO, 80217, UNITED STATES OF AMERICA.

Inventors : WILLIAM PETER HAHN, EDWARD LEE HITE, DONALD EUGENE SHISLER AND CHARLES DONALD SIMMERS.

Application No. 1030/Cal/73 filed May 2, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A method for the production of a thick fibrous blanket of mineral fibers having uniform properties throughout its thickness comprising superposing a plurality of thin fibrous mats and joining said thin fibrous mats together to form the blanket, said thin fibrous mats being formed in a plurality of mat forming modules by forming fiber individually for each of

said modules and collecting the fiber into a mat from on foraminous collecting conveyors in each of said modules by suction through the foraminous conveyor, characterized in that the plurality of thin fibrous mats are formed in an in-line orientation path and delivered from the collecting conveyors to a transfer conveyor that conveys along said path and beneath said modules in such a manner that said mats, which are delivered to the transfer conveyor, sequentially are superposed on said mats which have been previously delivered to the transfer conveyor.

CLASS 151F. I.C.-B29d 23/00. 139263.

#### METHOD OF MANUFACTURING A TUBE FROM THERMOPLASTIC MATERIAL AND APPARATUS FOR PERFORMING THIS METHOD.

Applicants : GEORGE ARISTOVOULOS PETZETAKIS (MINOR), OF DELIYANNI 103, KIFISSIA, ATHEN, GREECE.

Inventors : MOSCHATON ARISTOVOULOS PIRAEUS.

Application No. 2651/Cal/73 filed December 4, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims.

A method of manufacturing a tube from plastic material especially thermoplastic material, a quasi-liquid moulding being extruded from an extrusion head having an internal spigot, and the moulding being hauled off over an internal calibration mandrel connected to the internal spigot, the said moulding being cooled from the quasi-liquid range in these conditions, a lubricant being introduced between the moulding and the internal calibration mandrel, characterised in that a hydraulic lubricant is introduced in the practically pressureless state into a space between the internal spigot and the internal calibration mandrel in the quasi-liquid range of the moulding, the latter entraining a layer of lubricant between the internal calibration mandrel and the moulding, and said layer of lubricant is progressively tapered off in the longitudinal section on the internal calibration mandrel by radial forces acting on the moulding.

CLASS 32F,+F.b. I.C. C07d 49/02. 139264.

#### PROCESS FOR PREPARING SUBSTITUTED 1-BENZYL-INDAZOLE-3-CARBOXYLIC ACIDS.

Applicants . AZIENDE CHIMICHE RIUNITE ANGELINI FRANCESCO A.C.R.A.F. S.P.A. OF VIALE AMELIA 70/, ROME, ITALY.

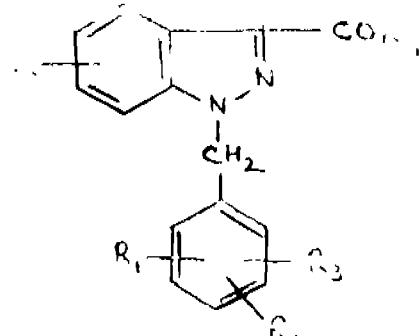
Inventors : GIUSEPPE PALAZZO AND BRUNO SILVESTRINI.

Application No. 389/Cal/73 filed February 21, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

A process for preparing derivatives of 1H-indazole carboxylic acids of the formula 1.



wherein R is hydrogen, methyl, methoxy or halogen;

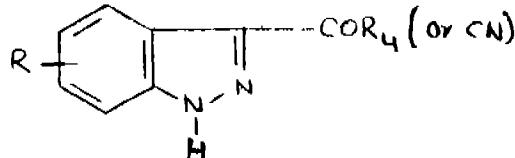
$R_1$  is hydrogen, methyl, halogen or the residue of a condensed benzene ring;

$R_2$  is halogen, methyl, methoxy, trifluoromethyl, amido or methylsulfonyl;

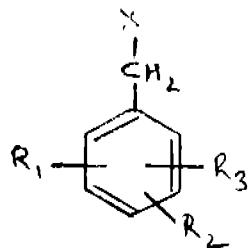
$R_3$  is hydrogen or halogen,

$R_4$  is hydroxy, amino or  $-OR_5$  is an easily hydrolysable group and the pharmaceutically acceptable salts thereof, characterized by

(a) reacting an indazole of the formula II.



or the 4, 5, 6, 7-tetrahydro derivative thereof and wherein  $R$  and  $R_1$  are as defined above with a benzyl derivative of the formula III.



wherein  $R_1$ ,  $R_2$  and  $R_3$  are as defined above, and  $X$  is a halogen or a similarly reactive leaving group and then doing one or more of the following when required.

(b) when the tetrahydro derivative of Formula II is used then dehydrogenating in a manner known per se the tetrahydro product formed;

(c) when the cyano group of formula II is used hydrolyzing in a manner known per se the product to the acid, ster or a mide;

(d) converting in a manner known per se any acid into an ester or amide, any ester into an acid or amide or any amide into an acid; and

(e) forming in a manner known per se the pharmaceutically acceptable salt.

CLASS 32F<sub>1</sub>+F<sub>2</sub>a+F<sub>2</sub>b. I.C. C07c 57/06, C07d 101/00.

139265.

#### PREPARATION OF $\omega$ -PENTANORPROSTAGLANDINS.

Applicants : PFIZER INC., OF 235 EAST 42ND STREET, NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

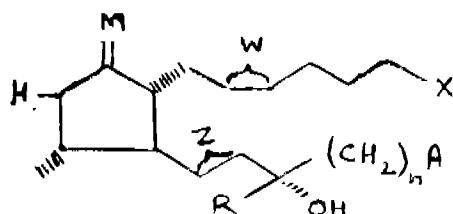
Inventors : HANS-JURGEN ERNST HESS, AND THOMAS KEN SCHAAF.

Application No. 2583/Cal/73 filed November 23, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

A process for preparing a compound of formula I.



and its  $C_1$  epimer; wherein A is cycloalkyl of from three to ten carbon atoms 1-adamantyl, 2-(1, 2, 3, 4-tetrahydronaphthyl) wherein said group is racemic or optically active, 2-indanyl or substituted 2-indanyl wherein said substituent is halo, trifluoromethyl, alkyl of 1 to 4 carbon atom or alkoxy of 1-4 carbon atoms;

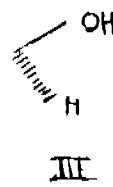
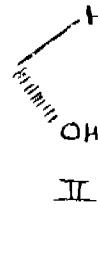
R is hydrogen or alkyl or 1-4 carbon atoms;

n is an integer from 0 to 5;

W is a single bond or cis double bond;

Z is a single bond or trans double bond;

M is keto, a group of formula II or III.



X is  $-C-O-R'$  wherein  $R'$  is hydrogen alkyl of from 1-10 carbon atoms; aralkyl of from 7 to 9 carbon atoms; cycloalkyl of from 3 to 8 carbons atoms;  $\alpha$  — or  $\beta$  — naphthyl; 5-indanyl; phenyl or monosubstituted phenyl, wherein said substituent is halo, alkyl of 1 to 4 carbon atoms, alkoxy of 1-4 carbon atoms or phenyl;

a second sub-group comprising 5-tetrazolyl; or

a third sub-group comprising  $-CNHR''$  wherein  $R''$  is alkanoyl having from 2-10 carbon atoms or cycloalkanoyl having from 4 to 8 carbon atoms aryoyl or substituted aryoyl of from 7 to 11 carbon atoms wherein said substituent is methyl halogen or methoxy; arylsulfonyl or substituted arylsulfonyl wherein said substituent is methyl, halogen or methoxy; and the pharmaceutically acceptable bases of those compounds where X is COOH;

characterized by the fact that said compound is prepared by treating the 11-, and 11- and 15-tetrahydropyranyl ethers of a compound of formula I, above with aqueous acetic acid at ambient temperatures, in an inert atmosphere, and, when required, preparing the pharmaceutically acceptable salts of these compounds wherein X is COOH.

CLASS 32F<sub>2</sub>b. I.C. C07c 65/00

139266.

#### PREPARATION OF ARYLAKANOIC ACIDS.

Applicants : THE BOOTS COMPANY LIMITED, OF 1 THANE ROAD, WEST, NOTTINGHAM, NG2 3AA, ENGLAND.

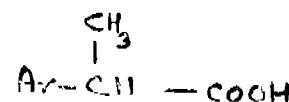
Inventors : JOHN ROSINDALE HOUSLEY AND JOHN LESLIE TURNER.

Application No. 1141/Cal/74 filed May 24, 1974.  
Convention date May 24, 1973/(24843/73) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

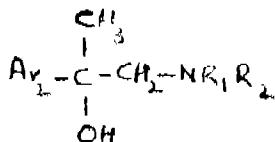
21 Claims.

A process for the preparation of an acid of formula I.

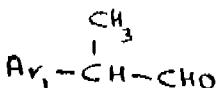


in which Ar is an aryl group which comprises

(a) dehydrating with subsequent hydrolysis of a compound of formula II.



in which R<sub>1</sub> and R<sub>2</sub> are the same or different and are alkyl, alkenyl or aryl or together with the N to which they are attached form a 5 to 7 membered ring, to give an aldehydo of formula III.



and converting the aldehydo of formula III

into the acid of formula I, and in which Ar<sub>1</sub> is Ar or a group convertible to Ar during step (b), and Ar<sub>2</sub> is Ar, or a group convertible to Ar<sub>1</sub> during step (a).

CLASS 65A, 187E & 206E. I.C.-H03f 9/00. 139267.

#### IMPROVEMENTS IN OR RELATING TO A MAGNETIC CORE.

Applicants : DIRECTORS, INDIAN INSTITUTE OF SCIENCE, BANGALORE, MYSORE STATE, INDIA.

Inventors : VISHNU PRAKASH NARENDRA JOSHI.

Application No. 80/Mas/73 filed June 11, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

#### 8 Claims.

Improvements in or relating to a magnetic core, particularly relating to the coil surrounding the magnetic core comprising providing at least one region containing a number of oriented magnetic domains in the magnetic yoke, said magnetic region being formed by arranging said magnetic domains to separate the magnetic yoke into at least two parts, said magnetic domains having their direction preferably parallel to the field lines in the yoke.

CLASS 63H & 206E. I.C.-H01L 1/24. 139268.

#### A PROCESS FOR FABRICATING ELECTRICALLY STABLE SEMICONDUCTOR DEVICES.

Applicants : DIRECTOR, INDIAN INSTITUTE OF SCIENCE, BANGALORE, MYSORE STATE, INDIA.

Inventors : VISHNU PRAKASH NARENDRA JOSHI.

Application No. 82/Mas/73 filed June 11, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

#### 13 Claims.

Improvements in a method for preparing semiconductor devices which comprises fabricating a semiconductor device in a conventional manner providing thereon an oxide sheath as a diffusion mask in a conventional manner thereafter subjecting the said semiconductor device to an electrical field in a gas discharge device so that the free minority movable electrical charges present in the semiconductor are brought upon the oxide surface which is then removed or if desired are bound in a surface sheath acting as a getter applied over the oxide sheath.

CLASS 128F. I.C.-A61M 3/00.

139269.

#### SINGLE-INJECTION SYRINGE.

Applicants : HOECHST AKTIENGESELLSCHAFT (FORMERLY KNOWN AS FARBWERKE HOECHST AKTIENGESELLSCHAFT VORMALS MEISTER LUCIUS & BRUNING), (FORMERLY OF 45, BRUNINGSTRASSE, FRANKFURT/MAIN), BUT NOW OF 6230, FRANKFURT/MAIN FEDERAL REPUBLIC OF GERMANY.

Inventors : WILFRIED DE FELICE.

Application No. 684/Cal/74 filed March 27, 1974.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 9 Claims.

A single-injection syringe, including a liquid container to be filled with the medicament, and holding at its sealed lower end a shortened or long syringe body which, in its interior, carries a movable needle support and forms with a piston rod a sterile chamber.

CLASS 95H. I.C.-B21d 26/08. 139270.

#### IMPROVEMENTS IN OR RELATING TO 'BLAST CLEANER'.

Applicants : METALLIZING EQUIPMENT COMPANY, 5TH CHOPASNI ROAD, JODHPUR (RAJASTHAN).

Inventors : SHRI SURESH CHAND MODI.

Application No. 1494/Cal/74 filed July 3, 1974.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 5 Claims.

A blast cleaner comprising (a) a conical shaped hopper typeclosed container for containing blasting media; (b) a cleaning head externally attached with the container, the cleaning head consisting of two concentric ducts of which the inner duct being the injector for charging the blasting media and the outer duct being the outgoing channel for the spent blasting media; (c) an air jet injector fitted at the top of the container at right angle to the vertical axis of the container; (d) a venturi fitted at the inner end of the injecting duct followed by a nozzle; (e) the said air jet injector (c) and nozzle (d) being connected with a common air inlet duct controlled by a spring loaded valve; (f) an incoming channel, for the blasting media connected inbetween the injecting duct of the cleaning head (b) by the side of its nozzle (d) and the container (a) at its bottom so as to suck the blasting media by the venture action of the venturi; (g) the outgoing channel of the cleaning head (b) being connected with the container tangentially near its top by means of another duct for cyclonic entry of the spent blasting media into the container; (h) a suction pipe provided at the top of the container opposite to the air jet injector (c) and fitted with a dust collecting bag at the other end of the suction pipe.

CLASS 67C & 133A. I.C.-H03f 3/38, H02K 23/00. 139271. CHOPPER CONTROL SYSTEM.

Applicants : HITACHI, LTD., OF 5-1, 1-CHOME, MARUNOUCHI, CHIYO A-KU, TOKYO, JAPAN.

Inventors : TATURO HORIE.

Application No. 2502/Cal/74 filed November 12, 1974.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 5 Claims.

A system for controlling a chopper which conducts in response to the application of a train of turn-on pulses and is

rendered non-conducting in response to the application of a train of turn-off pulses, comprising a frequency oscillator for generating a train of pulses determining the maximum chopping frequency of said chopper and providing said turn-off pulses, means for generating said turn-on pulses in synchronism with said turn-off pulses generated by said frequency oscillator in such a relationship that said turn-on pulses alternate with said turn-off pulses, means for generating instruction signals consisting of a plurality of turn-on pulse instruction signals indicating the frequency of the turn on pulse to be applied to the chopper and a plurality of turn-off pulse instruction signals indicating the frequency of the turn-off pulse to be applied to the chopper, turn-off pulse selecting means for selectively applying the pulses of the turn-off pulse train generated by said frequency oscillator to said chopper depending on the applied turn-off pulse instruction signal, and turn-on pulse selecting means for selectively applying the pulse of the turn-on pulse train generated by said turn-on pulse generating means to said chopper depending on the applied turn-on pulse instruction signal.

CLASS 186E. I.C.-H05K 11/00.

139272

## A COLOR IMAGE RETRANSLATING SYSTEM.

Applicants : RCA CORPORATION OF 30 ROCKEFELLER PLAZA, NEW YORK, NEW YORK, 10020, UNITED STATES OF AMERICA.

Inventors : DALTON HAROLD PRITCHARD.

Application No. 2026/Cal/75 filed October 20, 1975.

Convention date April 19, 1972/(18036/72) U.K.

Division of Application No. 923/Cal/73 filed April 18, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 6 Claims.

A color image retranslating system, a source of a composite signal including : a signal representative of the luminance of said color image and including a first portion occupying a first frequency band and a second portion occupying a second higher frequency band, said second luminance signal portion including signal components subject to occupancy of only a first plurality of regularly spaced spectral locations extending over said second frequency band and lacking in signal components falling at a second plurality of regularly spaced spectral locations interleaved with said first plurality; said composite signal also including a signal representatives of the chrominance of said color image and sharing said second frequency band with said second luminance signal portion, characterized by said chrominance signal including signal components subject to occupancy of only said second plurality of spectral locations and lacking in signal components falling at said first plurality of spectral locations; first comb filter means (71, 72, 73, 74) responsive to said composite signal and exhibiting a multiplicity of nulls correlated to said first plurality of spectral locations for developing a chrominance signal output free of crosstalk from said second luminance signal portion; and second comb filter means (71, 72, 73, 76) responsive to said composite signal and exhibiting a multiplicity of nulls correlated to said second plurality of spectral locations for developing a luminance signal output free of crosstalk from said chrominance signal.

CLASS 32F & 40B. I.C.-C08f 3/02, C08f 1/32,  
B01J 11/06. 139273.

## PROCESS FOR THE STEREOSPECIFIC POLYMERISATION OF ALPHAOLEFINS.

Applicants : SOLVAY & CIE, OF RUE DE PRINCE ALBERT 33, B-1050, BRUSSELS, BELGIUM.

Inventors : IFAN PIFRRF HERMANS, AND PAUL HFNRIOUIJE.

Application No. 905/Cal/74 filed April 22, 1974.

Division of Application No. 134813 filed March 3, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 14 Claims.

A process for the stereospecific polymerisation of  $\alpha$ -olefins carried out in the presence of a hydrocarbon solvent or diluent or in the liquid monomer or in the gaseous phase, at a temperature selected between 20 and 200°C and under a pressure selected between atmospheric pressure and 50 atmospheres and in the presence of a catalytic system comprising.

(a) an activator selected from the organometallic compounds of metals of Groups Ib, IIB and IIIB of the Periodic Table.

(b) a solid particulate catalytic complex containing TiCl<sub>4</sub> corresponding to the definition of the  $\delta$ -cristallographic form, characterized in that said solid catalytic complex is in the form of particles composed of microparticles having such a cellular structure that the total porosity of said spherical particles is higher than 0.15 cm<sup>3</sup>/g and that the specific surface area of said solid spherical particles is higher than 75 m<sup>2</sup>/g.

CLASS 99B &amp; 143D. I.C.-B65d 83/00, B67C 3/00. 139274.

## A DISPOSABLE CONTAINER FOR ENABLING A LIQUID TO BE STORED THEREIN AND CONSUMED THEREFROM.

Applicants & Inventor : SUBRAMANIAM RAMA-NATHAN, 22, DR. RANGACHARI ROAD, MYLAPORE, MADRAS-600004, TAMIL NADU, INDIA.

Application No. 22/Mas/73 filed February 21, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 5 Claims.

A disposable container, for enabling a liquid to be stored therein and consumed therefrom, having a flexible body and a mouth for enabling the said liquid to be filled through said mouth into said body to a level below said mouth, said container being characterised in that it comprises a drinking straw insertable through said mouth into said body, said mouth being adapted to be securely closed so as to seal the liquid and the straw within said body; and means, provided for the said straw, within said body; and means provided for the said straw, for piercing said body at a place above the said liquid level and for manually drawing one end of the said straw out of said body for enabling the liquid to be consumed through said straw.

CLASS 7. I.C.-G08b 13/00.

139275.

## SELF CONTAINED BURGLAR ALARM DEVICE.

Applicants & Inventor : MANCHANAHALLY VENKATARAMA SASTRY SATYANARAYANA, OF 1641, II STAGE, RAJAJI NAGAR, BANGALORE-10, MYSORE STATE, INDIA.

Application No. 69/Mas/73 filed May 10 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 4 Claims.

A self contained burglar alarm device comprising of an audible alarm, a battery and a normally close contact and the operation is controlled by inserting or releasing an insulated pin from outside of the device.

CLASS 32F<sub>3</sub>. I.C.-C07C 49/68.

139276.

## PRODUCTION OF ANTHRAQUINONE FROM NAPHTHALEN.

Applicants : BAYER AKTIENGESELLSCHAFT, OF LEVERKUSEN, FEDERAL REPUBLIC OF GERMANY.

Inventors : GERHARD SCHARFE AND JOHANN GROLIG.

Application No. 874/Cal/73 filed April 13, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

In the production of anthraquinone wherein naphthalene is oxidized to form naphthoquinone and phthalic anhydride, the naphthoquinone is reacted with butadiene to form tetrahydroanthraquinone and the tetrahydroanthraquinone is reacted with oxygen to form anthraquinone, the improvement which comprises effecting the reaction of naphthoquinone with butadiene at a temperature of about 80 to 250°C in the presence of about 20 to 90% by weight of naphthalene based on the weight of naphthalene, naphthoquinone and phthalic anhydride, to produce a reaction mixture comprising naphthalene, tetrahydroanthraquinone and phthalic anhydride, separating the naphthalene by distillation from said reaction mixture, reacting the remaining mixture comprising tetrahydroanthraquinone and about 50 to 90% by weight of phthalic anhydride at a temperature of about 150 to 300° with molecular oxygen, and removing phthalic anhydride by distillation from an oxidation reaction mixture comprising anthraquinone and phthalic anhydride.

CLASS 14D<sub>1</sub>. I.C.-H01m 1/02.

139277.

## AN ELECTRIC PRIMARY CELL.

Applicants : VARTA BATTERIE AKTIENGESELLSCHAFT, OF STOCKENER STR. 351, 3000 HANNOVER, WEST GERMANY.

Inventors : DR. HERMANN FULIENBACH, FRIDRICH CHRISTOF AND ALOIS FRANZL.

Application No. 1641/Cal/73 filed July 12, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

An electric primary cell comprising a metal casing, a cup electrode disposed in said metal casing, a sleeve in said metal casing between the latter and said cup electrode, said metal casing having an inwardly flanged upper edge, a cover disc having an outer edge and a sealing element of resilient plastic material between said flanged upper edge of said metal casing, said sleeve, and said outer edge of said cover disc.

CLASS 17E. 32C & 55E<sub>1</sub>. I.C.-C12b 1/00, C07g 17/00,

A01h 15/00.

139278.

## A PROCESS FOR PRODUCTION OF A NEW ANTIVIRAL SUBSTANCE.

Applicants : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFT MARG, NEW DELHI-1, INDIA.

Inventors : RADHAKANT MAHESHWARI AND BHUBAN MOHAN GUPTA.

Application No. 2115/Cal/73 filed September 17, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims. No drawings.

A process for producing an antiviral substance by fermenting a fungus in a culture medium containing an assimilable source of nitrogenous material such as sodium nitrate, a carbon source such as glucose, and electrolytes such as potassium chloride, followed by homogenising the fungal growth mass in the culture filtrate, centrifuging and precipitating the antiviral substance with acetone characterised in that the fungus used consists of *Aspergillus flavus*, strain 6-MFA (now identified as *A. ochraceus* ATCC 28706), further characterised in that a culture medium of the following composition is used: (i) assimilable source of nitrogenous material (sodium nitrate or potassium nitrate or ammonium chloride 0.1-0.4% (w/v); (ii) source of carbon (glucose or sucrose, 2-6%); (iii) electrolytes (potassium chloride, magnesium sulfate, potassium dihydrogen phosphate, zinc sulfate, ferrous sulfate, 0.0001—0.1%); yeast extract 1-2%).

CLASS 40C. I.C.-C08f 15/02.

139279.

## CONTINUOUS PRODUCTION OF AQUEOUS DISPERSIONS OF VINYLESTER/ETHYLENE COPOLYMERS.

Applicants : BAYER AKTIENGESELLSCHAFT, OF LEVERKUSEN, FEDERAL REPUBLIC OF GERMANY.

Inventors : DIETER KUHLMANN AND HERBERT BARTL.

Application No. 2118/Cal/73 filed September 17, 1973.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

20 Claims.

A process for the continuous production of a copolymer dispersion with a total solids content of from 45 to 65% by weight, in which ethylene is reacted with a vinyl ester in an aqueous phase under an ethylene pressure of from 5 to 120 atm., the aqueous phase containing a catalyst, a buffer and from 0.3 to 3% by weight based on the water used of an anionic emulsifier and from 0.1 to 15% by weight based on the weight of the water, of a water-soluble sulphonate compound corresponding to the general formula (I).



in which R represents a hydrogen atom or methyl radical; X represents an -O-, -NH- or -N- alkyl group;

Y represents a linear or branched alkylene radical with from 2 to 10 carbon atoms; and

Me represents an ammonium or alkali metal radical.

CLASS 144E<sub>1</sub>. I.C.-C09b 65/00, 67/00.

139280.

## PROCESS FOR FORMING ORGANIC PIGMENTS WITH THE AID OF AN INORGANIC OR ORGANIC SALT AND AN ORGANIC OR INORGANIC SOLVENT.

Applicants : BAYER AKTIENGESELLSCHAFT, OF LEVERKUSEN, FEDERAL REPUBLIC OF GERMANY.

Inventors : HEINZ EWALT BAURECHT, REINHOLD HORNE, KARLHEINZ WOLF, AND HORST BRANDT, ODENTHAL.

Application No. 1435/Cal/74 filed June 27, 1974.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

## 10 Claims

Process for forming organic pigments of the azo, anthraquinone, azaporphine, thioundro polycyclic, quinaeidone, dioxazine naphthalenetetracarboxylic acid and perylenetetracarboxylic acid series as well as dyestuff lakes with the aid of an sodium chloride, potassium chloride, sodium sulfate, zinc chloride, aluminium chloride, aluminium sulphate, calcium carbonate, sodium acetate, potassium sodium taurate, calcium acetate or sodium citrate which is water-soluble or soluble in aqueous acid or bases and an polyhydric aliphatic alcohols, ethanolamines, phenols, anilines, polyethylene glycols, monoesters and monoesters of polyethylene glycols and polypropylene glycols, polyethylenamines, N-alkylated and N-hydroxy alkylated polyethylenimines, silicon oils, phosphoric acid amides and esters and salt melts of salts and salt mixtures which does not significantly dissolve either the pigment or the salt, characterised in that the pigment-salt-solvent mixture is subjected to a shear gradient of 300 to 20,000 sec<sup>-1</sup> for a period of 10 seconds to 15 minutes in a continuously operating kneading apparatus with spatially separate possibilities for adding liquid, the amount of solvent being so chosen that the power taken up by kneading is between 0.4 and 50 kWh/kg of pigment processed.

CLASS 32F, I.C.-C07C 25/08.

139281.

## PROCESS FOR THE PREPARATION OF DIHALOGENO-AMINO-BENZYLAMINES.

Applicants : DR. KARL THOMAE GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, OF BIBERACH AN DER RISS, FEDERAL REPUBLIC OF GERMANY.

Inventors: DR JOHANNES KECK.

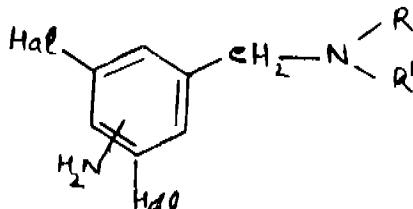
Application No. 1984/Cal/74 filed September 4, 1974.

Division of Application No. 85113 filed November 14, 1962.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

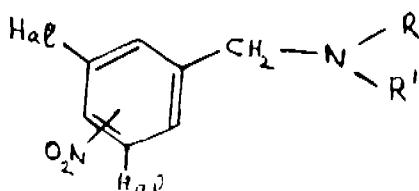
## 1 Claim.

A process for the preparation of dihalogeno-amino-benzylamines of the general formula I.



in which R<sup>1</sup> represents a lower acyclic aliphatic group, or a cycloalkyl, aralkyl or aryl group; and

R represents hydrogen or any of the groups which may be represented by R'; or R and R', together with the adjacent nitrogen atom, represent a pyrrolidinyl, piperidino or camphidinyl (i.e. 3', 5'-ethylene-3, 4, 4'-trimethyl-piperidino) group, or a lower alkyl-substituted pyrrolidinyl, piperidino or camphidinyl group, and Hal represents chlorine or bromine; and non-toxic acid addition salts thereof, which comprises reducing with catalytically activated nascent hydrogen a dihalogeno-nitrobenzylamine of the formula II.



in which Hal, R and R' are as defined above, and, if desired, covering by methods known per se the compound so formed to a non-toxic acid addition salt.

CLASS 40F, I.C.-B01j 1/00 1/20.

139282.

## PHOTOSYNTHESIS REACTOR TANK ASSEMBLY.

Applicant & Inventor : MIKI OSONO, OF KIKUNODAI 3-7-53, CHOFU CITY, TOKYO, JAPAN, AND SHOJI ICHIMURA OF EJIRI 1265-5, TAKAOKA CITY, TOYAMA PREFECTURE, JAPAN

Application No. 2826/Cal/74 filed December 21, 1974.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims.

A photosynthesis reactor tank assembly for green algae constructed in the form of a sealed double tank assembly comprising an inner tank in which culture fluid is accommodated, said inner tank being provided with at least one nozzle means to emit nutrient sources, at least one light means similar to the natural light operating intermittently and an agitator means and an outer tank provided with a means for temperature control.

CLASS 40F &amp; 141B+F, I.C.-C21b 1/02, C22b 1/10, 139283.

## IMPROVEMENTS IN/OR RELATING TO CONSTRUCTION OF GRATES IN A FLUIDISED BED FURNACE.

Applicants : GENERAL MANAGER, PLANNING AND DEVELOPMENT DIVISION, THE FERTILIZER CORPORATION OF INDIA LTD., P.O. SINDRI, DISTRICT DHANBAD, STATE OF BHAR, INDIA.

Inventors : TRENDAFIL STOJKOV TRENDAFILOV, (2) DIMITAR IANEV HADIEV, (3) PARAMESWAR GANAPATHY, (4) BIJOY BHUSAN ROY, (5) RABIN CHAMPATI.

Application No. 2829/Cal/74 filed December 21, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims.

An improved construction of grates in a furnace, wherein the grate is made of two parts, one movable and the other immovable, the immovable part lying across the wall of the furnace forming an opening bounded by its interior walls, the movable part forming a major portion of the grating and having its one end hingedly secure to an inner wall of the immovable part, while the free end of the movable part lies in close proximity to the inner end of the immovable part, which is diametrically opposite the first said inner wall of the immovable part.

CLASS 155D+F, I.C.-B32h 21/08.

139284.

## A PROCESS FOR THE MANUFACTURE OF IMPROVED WOOD-PLASTIC COMBINATION.

Applicants : BHABHA ATOMIC RESEARCH CENTRE, TROMBAY, BOMBAY-400085, MAHARASHTRA STATE, INDIA.

Inventors : DR. VASUDEV KILARA ILA AND SHRI ASHOK BHIMAJI MAJALI.

Application No. 72/Bom/72 filed October 27, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

## 4 Claims. No drawings.

A process for the manufacture of wood-plastic sheet or plank or similar articles which comprises of impregnating the monomer as herein described by insitu polymerisation, either individually or mixtures into the wood under vacuum and pressure from 1 to 10 atmospheres without using solvents and heating at a temperature of 50° to 90°C.

CLASS 32F<sub>1</sub>+F<sub>2a</sub>+F<sub>2b</sub>. I.C.-C07d 49/36, 49/02, 31/00, 91/12, 49/30, 91/04, C07C 147/00. 139285.

#### PROCESS FOR THE PRODUCTION OF SULPHOXIDES

Applicants : SMITH KLINE & FRENCII LABORATORIIS LIMITED, OF MUNDILLS, WELWYN GARDEN CITY, HERTFORDSHIRE, ENGLAND.

Inventors : GEORGE RAYMOND WHITE.

Application No. 1676/Cal/55 filed August 30, 1975.

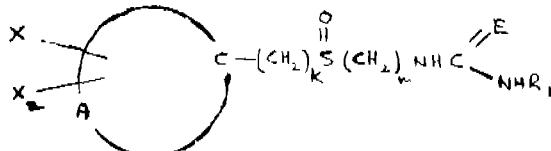
Convention date February 8, 1973/(49257/73) U.K.

Division of Application No. 144/Cal/74 filed January 21, 1974.

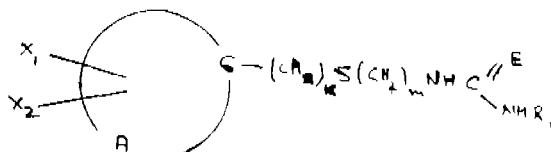
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A process for the production of sulphoxides of the general formula I.



wherein A is such that there is formed with the carbon atom shown an imidazole, pyridine, thiazole, isothiazole, oxazole, isoxazole, pyrazole, triazole, thiadiazole, pyrimidine, pyrazinc or pyridazine ring; X<sub>1</sub> and X<sub>2</sub>, which may be the same or different are hydrogen, lower alkyl of C<sub>1</sub> to C<sub>4</sub>, trifluoromethyl, hydroxyl, halogen, amino, or X, may with X<sub>2</sub> and two of the atoms comprising A form a benzene ring; k and m are integers from 0 to 4 provided that the sum of k and m is 3 or 4; E is oxygen or NR<sub>2</sub>; R<sub>1</sub> is hydrogen, lower alkyl, acyl or dialkylaminoalkyl; and R<sub>2</sub> is hydrogen, nitro, cyano, alkanesulphonyl or arenesulphonyl; which process comprises the step of treating a compound of the formula II.



wherein A, X<sub>1</sub>, X<sub>2</sub>, k, m E and R<sub>1</sub> have the above significance with a peroxy compound selected from the group of organic peracids or periodates.

CLASS 34A & 136E. I.C.-B29d 7/14, D07b 1/02, 139286. D07b 3/00.

#### PROCESS AND APPARATUS FOR PRODUCING FILMS OF PLASTICS MATERIAL

Applicants : LAMBEG INDUSTRIAL RESEARCH ASSOCIATION, THE RESEARCH INSTITUTE, LISBURN, COUNTRY ANTRIM, NORTHERN IRELAND.

Inventor : SAMUEL MCMEEKIN.

Application No. 2176/Cal/72 filed December 18, 1972.

Convention date December 18, 1971/(58903/71) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

40 Claims.

A process for producing a film of plastics material which includes the steps of passing a sheet of polymeric film material of the type described between and in temporary contact with two surfaces forming a pressurized nip, one at least of said surfaces being a moving surface and the film material being

at an elevated temperature adequate to plasticize it to at least a substantial degree as it approaches and enters the nip, maintaining the surfaces forming the nip at temperatures adequate to convert the material by cooling during its passage through the nip to a largely unplasticized state before or on emerging from the nip, and mechanically working the material during its transition from plasticized to unplasticized state.

CLASS 45C. I.C.-A47k 11/06, A61g 9/00. 139287.

#### IMPROVED DISPOSABLE BEDPAN INSERTS

Applicant : VERNON & CO. (PULP PRODUCTS) LTD., OF SLATER STREET, BOLTON, LANCASHIRE, ENGLAND.

Inventors : KENNETH WILSON MILLS.

Application No. 2149/Cal/73 filed September 21, 1973.

Convention date October 5, 1972/(45863/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A disposable insert for a bedpan or commode, comprising a seat portion, an aperture within said seat portion forming an opening into a receptacle portion, characterised in that the said seat portion being formed at each side towards its rear with a concavity and at its rear a central depression or concavity which merges smoothly into said rearward side concavities.

CLASS 70B+C<sub>1</sub>. I.C.-B01k 3/00. 139288.

#### MERCURY CELL FOR THE ELECTROLYSIS OF ALKALI METAL CHLORIDES

Applicant : METALLGESELLSCHAFT AG., OF 6 FRANKFURT AM MAIN, REUTERWEG 14, WEST GERMANY.

Inventors : DIPL.-ING. KARL LOHRBERG, ING. GUNTHER HAAS AND DR. JURGEN MULLER.

Application No. 289/Cal/74 filed February 12, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

Mercury cell for the electrolysis of alkali metal chlorides, which comprises virtually horizontal anodes, which are provided on the underside with channel- or groove like recesses, characterized in that the arrangement of the anodes (2) and/or the course of the channel- or groovelike recesses (6) are selected to provide spaced apart regions between the anodes for an outflow of chlorine from the space (8) between the electrodes and for an inflow of brine into said space.

CLASS 129G+M. I.C.-B23d 19/06, 25/12. 139289.

#### APPARATUS FOR CUTTING METAL

Applicant : LOEWY ROBERTSON ENGINEERING COMPANY LIMITED, OF WALLIS-DOWN ROAD, POOLE, DORSET, ENGLAND.

Inventors : HUGH MACDONALD ROSE AND WILLIAM BARR RODGER.

Application No. 2356/Cal/74 filed October 29, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

Apparatus for cutting metal comprising a rotatable cylindrical anvil and a rotatable cylindrical drum arranged with their longitudinal axes in spaced apart relation, said drum having a

plurality of cutters projecting from the periphery thereof and the cutters and the anvil serving to cut metal introduced therebetween and wherein each cutter is displaceable radially with respect to the drum and is connected by at least one elongate member located in a radial bore of the drum with a wedge member positioned axially of the drum and in engagement with all of said elongate members, said wedge member being displaceable axially of the drum to displace the elongate members in said bores and adjust the distance by which the cutters project from the periphery of the drum.

CLASS 48D<sub>1</sub>, I.C.-H01b 17/00. 139290.

**CABLE SPACER FOR OVERHEAD POWER TRANSMISSION LINES.**

Applicant : DUNLOP LIMITED, OF DUNLOP HOUSE, RYDER STREET, ST. JAMES LONDON S. W. 1, ENGLAND.

Inventors : EDWIN BARCLAY MOORE, BERNARD OLIVER CROSSLEY AND ROY LEONARD GLADWELL.

Application No. 2411/Cal/74 filed November 4, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**13 Claims.**

A cable spacer for use between pairs of sub-conductors in overhead power transmission lines comprising a pair of similar lever arms, each lever arm having two semi-circular section grooves with a resilient lining one groove being provided at either end of the lever arm, a pivotal connection between the lever arms arranged such that relative pivotal movement of the lever arms causes the grooves at the ends adjacent to the pivotal to come together and form a first circular aperture for engaging a first sub-conductor and the grooves at the other end to form a second circular aperture for a second sub-conductor and a fixing means for locking the arms in engagement with a pair of sub-conductors.

CLASS 153. I.C.-B24b 3/00, 41/02. 139291.

**A DEVICE FOR GRINDING TOOLS AND THE LIKE.**

Applicant & Inventors : BHEEMA RAO NARAYANO RAO TELEKAR, NO. 111, PALAVAKKAM, TIRUVANMIYUR, MADRAS 600041, TAMIL NADU, INDIA.

Application No. 101/Mas/74 filed June 7, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

**6 Claims.**

A device for grinding tools and the like comprising a spindle housing, accommodating a spindle to which a grinding wheel is attachable, and a motor for rotatably driving the spindle, the spindle housing and motor being adapted to be swivelably moved and locked in any desired position so as to set and drive the spindle at any desired angles in the horizontal and in the vertical planes; a main bed and bed disposed below the spindle-housing and motor, the auxiliary bed being detachable and replaceable by any one of other auxiliary beds of differing dimensions; a cross-slide swivelably and slidably movable on the main bed, the auxiliary bed being swivelably and slidably movable on the cross-slide, the auxiliary bed and cross-slide being adapted to be retained in any desired positions; a detachable rotary bed and a detachable swivelable bed provided on the main bed, the swivelable bed being adapted to be swivelably moved and locked in any desired position on the main bed; and a vertical pillar, for supporting the spindle-housing and motor, adapted to be raised and lowered and locked in any desired position, to enable the spindle, with the grinding wheel attached thereto, to be raised and lowered over the main and auxiliary beds.

CLASS 40F & 132B<sub>1</sub>. I.C.-B01f 13/02.

139292.

**A DEVICE FOR PRODUCING FLUID STREAMS OR RUBBLES IN A FLUID OR FLUID SOLID MEDIUM.**

Applicant : INDIAN INSTITUTE OF TECHNOLOGY, I.I.T. P.O. MADRAS-600036, TAMIL NADU, INDIA.

Inventor : DR. AYYAGARI PRABHAKARA RAO.

Application No. 121/Mas/75 filed August 21, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

**2 Claims.**

A device for producing fluid streams or bubbles in a fluid or fluid-solid medium disposed in a container comprising a hollow member having one or more peripheral apertures provided with a corresponding number of external nozzles; a base member to which the hollow member is coupled, so as to render the latter freely rotatable with respect to the former; a conduit attachable to the said base member, with one end of the conduit in communication with the interior of the hollow member and with the other end thereof connectable to a source of pressurised fluid, such that with the nozzle or nozzles immersed in the medium disposed in the said container, pressurised fluid from the source entering the interior of the hollow member and emerging therefrom through the nozzle or nozzles, constrains the said hollow member to rotate and thereby cause a curvilinear stream or streams of the emergent fluid, or of bubbles generated by the emergent fluid, to be set up in the medium disposed in the said container.

CLASS 72B. I.C. C06b 1/04, 11/00.

139293.

**SENSITISED DRY BLASTING COMPOSITIONS AND THEIR METHOD OF PREPARATION.**

Applicants : INDIAN EXPLOSIVES LIMITED, OF I.C.I. HOUSE, 34, CHOWRINGHEE ROAD, CALCUTTA-16, WEST BENGAL, INDIA.

Inventors : BHAIRAB NATH ROY AND DHIRENDRA NATH BHATTACHARYYA.

Application No. 323/Cal/73 filed February 15, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**20 Claims. No drawings.**

A method of manufacturing a sensitised dry blasting composition which comprises intimately mixing ammonium nitrate or a mixture of ammonium nitrate and one or more other inorganic nitrates with a sensitiser selected from salts of metals exhibiting a variable valency such as herein described and the oxides and hydroxides of said metals being weak bases or mixtures thereof to form a homogeneous mixture and thereafter adding to said homogeneous mixture a fuel such as herein described and the whole mixture is thoroughly mixed.

CLASS 154G. I.C.-G03b 27/04.

139294.

**IMPROVED MEANS FOR PRODUCING FUSED AND FIXED IMAGE OF AN OBJECT IN AN ELECTROSTATIC APPARATUS AND A METHOD THEREFOR.**

Applicant & Inventor : ARUN KUMAR CHATTERJI, OF 2300 CHAMPION COURT, RELEIGH, NORTH CAROLINA, 27606, UNITED STATES OF AMERICA.

Application No. 1354/Cal/73 filed June 8, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 21 Claims.

Improved means for producing a fused and fixed toner image of an object on a substrate in an electrostatic imaging apparatus the improved means comprising a receiver mounted to rotate about an axis, means for transporting a substrate with a toner image thereon tangentially past a curved surface on said receiver to cause substantially pressureless contact between said toner image and said curved surface, and a radiant energy emitter mounted adjacent said receiver to direct radiant energy onto said curved surface to heat the latter sufficiently to effect fusion of said toner upon contact thereof with said curved surface.

CLASS 32E. I.C.-C08k 1/00. 139295.

**PROCESS FOR MAKING A GRANULAR STABILISER FOR VINYL RESINS.**

Applicant : ASSOCIATED LEAD MANUFACTURERS LIMITED, OF CLEMENTS HOUSE, 14-18, GRESHAM STREET, LONDON, EC2V 7AT, ENGLAND.

Inventors : DEREK GORDON PEARSON AND DAVID YOUD.

Application No. 2190/Cal/73 filed September 27, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 7 Claims.

A process for making a granular stabiliser for vinyl resins, which consists in mixing a powdered basic lead salt of an inorganic acid and a liquid binder, which is constituted by a fatty acid which is liquid at room temperatures and contains 10 or more carbon atoms, by a mixture of liquid fatty acids containing not more than 40% by weight of acids containing 8 or fewer carbon atoms or by a liquid phenol.

CLASS 32E. I.C.-A01h 13/00. 139295.

**PRODUCTION OF ALGAL BIO-POLYMERS.**

Applicant : AMERICAN BIOCULTURE, INC., OF PIUMSTEADVILLE, PENNSYLVANIA 18949, UNITED STATES OF AMERICA.

Inventors : PROCESSES RESEARCH, INC., PAULA SCHENCK, PATRICIA LORRAINE FOSTER, WILLIAM WRF-MET WALKER, JR. AND SAMUEL FOGEL.

Application No. 2688/Cal/74 filed December 4, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 15 Claims.

A method of producing biopolymers exhibiting flocculating activity comprising; cultivating algae in the presence of light and carbon dioxide in a nutrient medium suitable for growth until a desired population density is reached, thereafter restricting the available nitrogen and maintaining sufficient available phosphorus in the culture medium so that the nitrogen content of the cells drops to below about 5%, and after the cellular nitrogen is below 5% by weight, withdrawing active flocculating agent from the culture medium.

CLASS 32F,b. I.C.-C07C 127/12. 139297.

**PROCESS FOR THE PRODUCTION OF NEW CYCLIC UREA DERIVATIVES AND SALTS THEREOF.**

Applicant : ASTA-WERKE AKTIENGESELLSCHAFT, 79-91, BIELEFELDER STRASSE, BRACKWEDE/WESTFALEN, WEST GERMANY.

Inventors : DR. ROLF REBLING, (2) DR. KLAUS PRESSLER AND PROF. DR. JURGEN POTGI.

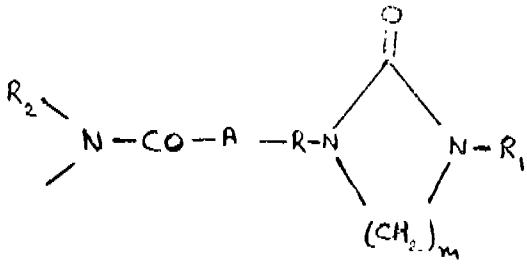
Application No. 56/Cal/75 filed January 9, 1975.

Division of Application No. 1471/72 filed September 20, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims.

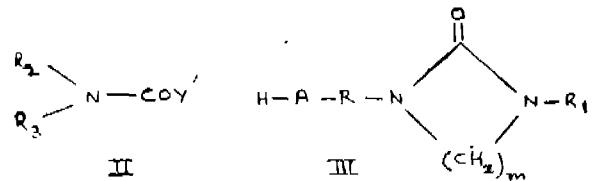
Process for the production of cyclic urea derivatives of the general formula I.



wherein m is 2 or 3, R is a straight or branched alkylene group having from 2 to 4 carbon atoms, R<sub>1</sub> is a saturated or unsaturated, straight or branched hydrocarbon group having from 1 to 18 carbon atoms, R<sub>2</sub> and R<sub>3</sub>, which may be identical or different from each other, represent hydrogen or lower alkyl groups having from 1 to 4 carbon atoms or R<sub>1</sub> and R<sub>2</sub> together with the nitrogen atom, to which they are attached, represent a pyrrolidone, piperidine, homopiperidine or morpholine group and A is the residue of a piperazine, 1,4-diazacycloheptane, 1,4-diazacyclo-octane, 1,5-diazacyclooctane, these cyclic residues being bound to the neighbouring groups by their two nitrogen atoms, or A is the residue of an aliphatic amine having the general formula -N-B-N-. B being a polymethylene chain

R<sub>4</sub>      R<sub>5</sub>

having from 2 to 3 carbon atoms and R<sub>4</sub> and R<sub>5</sub> being hydrogen or lower alkyl groups having from 1 to 4 carbon atoms, and the salts of these compounds of general formula I with pharmaco- logically acceptable acids, comprising subjecting equivalent amounts of compounds of the following general formulas II and III.



wherein Y' is a halogen atom, a lower alkoxy group or the phenoxy group, and M, R, R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub> and A have the same meaning as in formula I, to reaction with each other in the presence of an inert solvent and possibly of an alkaline condensation agent at an elevated temperature.

CLASS 32F,+F.a+F.b. I.C.-C07C 123/00. 139298.

**PROCESS FOR THE PREPARATION OF NEW N-(AMONO-ACYLAMINOPHENYL)- ACETAMIDINES AND PHARMACEUTICALLY ACCEPTABLE SALTS THEREOF.**

Applicant : BAYER AKTIENGESELLSCHAFT, OF LEVERKUSEN, FEDERAL REPUBLIC OF GERMANY.

Inventors : HARTMUND WOLLWEBER, (2) EKKEHARD NIEMERS, (3) HANS PETER SCHULZ, (4) HERBERT THOMAS AND PETER ANDREWS.

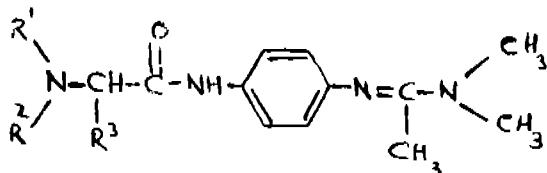
Application No. 2049/Cal/75 filed October 23, 1975.

Division of Application No. 1835/Cal/74 filed August 16, 1974.

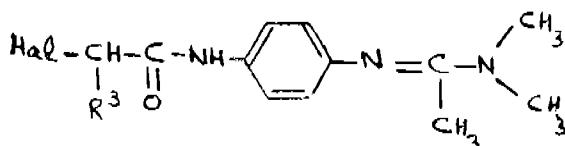
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 9 Claims.

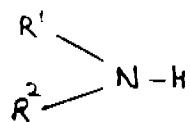
A process for the production of compounds which are N'-(aminoacylaminophenyl)-acetamidines of the general formula I.



of their pharmaceutically acceptable salts, in which, R¹ and R² are identical or different radicals selected from hydrogen, optionally substituted alkyl and optionally substituted aryl radicals; or R¹ and R² together with the nitrogen atom between them, form a heterocyclic ring; and R³ is selected from hydrogen, optionally substituted alkyl, optionally substituted aryl, optionally substituted aralkyl, optionally substituted heteroaryl and optionally substituted heteroarylalkyl radicals characterised in that an N'-(haloacylaminophenyl)-acetamidine of the general formula II



[in which R³ is as defined above and "Hal" is a halogen atom] is reacted with an amine of the general formula III.



[in which R¹ and R² are as defined above], and, if desired, converting the compounds of formula I into their pharmaceutically acceptable salts by reacting with inorganic or organic acids.

CLASS 63A₂+F. I.C.-H02k 23/64.

139299.

## UNIVERSAL SHUNT MOTOR.

Applicant & Inventors : PRITAM SINGH, VILLAGE, DUDIANA KALAN, P.O.-HARIANA, DISTT-HOSHIARPUR, INDIA.

Application No. 1872/Cal/73 filed August 13, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims.

A universal shunt motor comprising : a laminated stator carrying the main field winding (distributed winding in case of capacitor and 3-phase squirrel cage type and concentrated winding in case of shadedpole type) and carrying a commutation winding to improve commutation during d.c. operation for higher power outputs;

a switch adopted to change the stator winding connections depending on the a.c. or d.c. supply to which the motor is to be connected;

a laminated rotor carrying a commutator winding which is connected in the circuit in d.c. operation but is short-circuited during a.c. operation thereby the rotor behaving as a squirrel cage rotor;

a mechanical device to short-circuit the commutator and lift up the brushes during a.c. operation;

a handle being operated manually or by automatic means for operating simultaneously the switch and the mechanical device to short-circuit the commutator and lift up the brushes before the machine is put on to a.c. supply.

CLASS 39K. I.C.-C01b 33/16.

139300.

## A METHOD OF PREPARING SILICA GEL.

Applicant : SOMABHAI MOTI BHAI PATEL, M/S. MINCO PRODUCTS, 301/27, T. H. ROAD, MADRAS-81, TAMIL NADU, INDIA.

Inventor : C. SIVAPRASADA RAO.

Application No. 32/May/72 filed November 21, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 6 Claims. No drawings.

A method of preparing silica gel comprising the steps of obtaining pure dry silica from industrial waste silica; fusing the said dry silica with pure sodium carbonate in a furnace, dissolving the fused mass thus obtained in distilled water, concentrating and filtering the resulting solution; treating the filtrate with pure concentrated hydrochloric acid till a pH of about 6.5 is reached; washing the precipitated silica gel first with dilute hydrochloric acid and then with distilled water till it is free from chloride; and drying and grinding the said silica gel to a fine powder, characterised in that the waste silica is freed from hydrofluosilicic acid and heavy metallic impurities by treating the said waste silica with a solution of sodium carbonate and ammonium carbonate in water at 40°C to 50°C with stirring, and leaving the mass so obtained in this condition for 24 hours; filtering and washing the mass with acidulated water and drying the same.

CLASS 108B. I.C.-C21b 13/02

139301.

## A PROCESS FOR PRODUCTION OF SPONGE IRON.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Inventors : VISHWANATH ANANT ALTFKAR, KEDAR NATH GUPTA, BIJAY KRISHNA PAUL AND VINAY KUMAR SONI.

Application No. 670/Cal/73 filed March 26, 1973.

Appropriate office for opposition Proceedings Rule 4, Patents, Rules, 1972) Patent Office, Calcutta.

## 8 Claims. No drawings.

A process for producing sponge iron from hematite iron ores, fines, lumps or pellets by directly reducing them by naphtha vapours, in a continuous reactor charging and discharging continuously.

CLASS 131A. I.C.-E21d 15/28.

139302.

## IMPROVEMENT RELATING TO FRICTION PROPS USED IN MINES.

Applicant : THE INDIAN MECHANISATION & ALLIED PRODUCTS LTD., 6, HASTINGS STREET, CALCUTTA-1, WEST BENGAL, INDIA.

Inventor : ARDIENDU SARKAR.

Application No. 483/Cal/74 filed March 6, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 6 Claims.

Frictional prop having a main unit and a telescopic unit slidably within the main unit, the main unit having at its lower end a base plate and at its upper end a clamp head, while the telescopic unit has a cap at its top end characterized in that the clamp head at the top of the main unit has two identical wedge driving sections in tandem and the telescopic unit has a

U-shaped element covering two sides of its body, the free ends of the U-shaped element being held by the cap of the telescopic unit, the bent or the curved portion of the U-shaped element being secured to the lower end of the telescopic unit, the telescopic unit along with the U-shaped element being slidably held through the clamp head at the top end of the main unit, independent frictional pads positioned in the area of the clamp head and in contact with the telescopic unit, the telescopic unit being frictionally held to the clamp head of the main unit by wedges driven through the slots in the clamp head.

CLASS 131A<sub>2</sub>. I.C.-E04b 2/28. 139303.

#### METHOD OF BLASTING AND REINFORCING ROCK CAVITIES.

Applicant & Inventor : TORE JERKER HALIENIUS, OF ESPLANÄDEN 23, 852 32 SUNDSVALL, SWEDEN, AND KARL IVAR SAGFFORS, OF VRETENVÄGEN 10, 171 23 SOLNA, SWEDEN.

Application No. 1598/Cal/74 filed July 17, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 15 Claims.

A method for blasting and reinforcing rock cavities, characterized by the following steps : before the intended side walls (10, 11) of the rock cavity are wholly exposed a plurality of tunnels (12, 13) are cut out in the rock outside the intended side walls, said tunnels being arcuated and extending between the bottom and top edge levels of the intended side walls, and said arcuated tunnels are filled with concrete, steel or the like reinforcing material to form in said tunnels arcuated beams of said reinforcing material which are wholly embedded in the rock outside the planned rock cavity.

CLASS 136C. I.C.-B30b 11/12. 139304.

#### EXTRUDER DRIVE.

Applicant : WAVIN B. V., OF 251, HANDELLAAN AT ZWOLLE, THE NETHERLANDS.

Inventors : WARNER JAN DE PUTTER.

Application No. 2250/Cal/74 filed October 8 1974.

Convention date March 7, 1974/(10328/74) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 4 Claims.

An extruder for synthetic material with at least two mixing and conveying worms comprising an extruder housing, an extruder inlet, a driving member for driving one of the worms and a gearing for driving the second worm, characterised in that the gearing for driving the second mixing and conveying worm comprises two gear wheels which on either side of the mixing and conveying worm co-operate therewith.

CLASS 64B, 67C & 206E. I.C.-H03K 3/00. 139305.

#### PROXIMITY SWITCHING CIRCUITS.

Applicant : THE LUCAS ELECTRICAL COMPANY LIMITED, OF WFLI STREET, BIRMINGHAM, 19, ENGLAND.

Inventor : EDWARD GRAHAM PHILLIPS.

Application No. 2522/Cal/74 filed November 15, 1974.

Convention date November 28, 1973/(55119/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 11 Claims.

A proximity switch circuit comprising in combination an oscillator having associated therewith a sensing member which when touched by an operator substantially modifies the amplitude of the oscillator waveform, an amplitude to voltage converter coupled to the oscillator and producing an output representing oscillator amplitude, an integrated circuit which receives a reference input and an input from the converter, the integrated circuit producing an output pulse each time the sensing member is touched, and a relay operated by the output pulses, the relay having a two-position contact which changes position each time the relay received a pulse.

#### OPPOSITION PROCEEDINGS.

##### (1)

The opposition entered by Tractel Tirfor India Private Limited to the grant of a patent on application No. 124466, made by Pulling & Lifting Machines Private Limited as notified in Part III, Section 2 of the Gazette of India dated the 17th April 1971 has been partly allowed and a patent has been ordered to be sealed on the application subject to amendment of the specification.

##### (2)

Application for Patent No. 130611 made by Pressure Cookers & Appliances Private Ltd., in respect of which an opposition was entered by General Engineering Manufacturers & Suppliers, as notified in the Gazette of India, Part III, Section 2, dated the 14th April, 1973, has been treated as abandoned.

#### CORRECTION OF CLERICAL ERRORS.

##### (1)

Under Section 78(3) of the Patents Act, 1970 Certain clerical errors occurring in the application of Patent application No. 137462 were corrected on the 26th April, 1976.

##### (2)

Under Section 78(3) of the Patents Act, 1970 certain clerical errors occurring in the application form of Patent Application No. 137484 were corrected on the 22nd April, 1976.

#### PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy :—

##### (1)

80086 84842 84992 91784 93618 99844 109204 109205  
109214 109235 109250 109299 109322 109326 109410 109417  
109438 109473 109514 109997 109999 110080 110158 110297  
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##### (2)

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## PATENTS SEALED

91319 96939 99390 101016 103064 104230 105656 106594  
 109670 109690 115414 115974 116028 119456 119644 120556  
 122627 123431 123511 123929 125268 129261 129352 129401  
 131485 131663 133779 133933 135202 136910 137408 137423  
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## AMENDMENT PROCEEDINGS UNDER SECTION 57

(1)

Notice is hereby given that Johnson & Johnson, a Corporation of the State of New Jersey, located at 501, George Street, New Brunswick, New Jersey, U.S.A. have made an application under section 57 of the Patents Act, 1970 for amendment of specification of their application for patent No. 138957 for "Improvements in or relating to containers for packing dental filling paste like blend materials". The amendments are by way of correction so as to define the invention more correctly. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017, on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested is opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within the one month from the date of filing the said notice.

(2)

The amendments proposed by Universal Oil Products Company in respect of Patent No. 136887 as advertised in Part-III, Section 2 of the Gazette of India dated the 17th January, 1976 have been allowed.

(3)

The amendments proposed by Universal Oil Products Company, in respect of Patent application No. 137228 as advertised in Part III, Section 2 of the Gazette of India dated the 17th January, 1976 have been allowed.

(4)

The amendments proposed by Universal Oil Products Company in respect of Patent application No. 137574 as advertised in Part III, Section 2 of the Gazette of India dated the 17th January, 1976 have been allowed.

## RENEWAL FEES PAID

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 76710 76717 76844 76938 77146 79340 81310 82339 82340  
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## CESSATION OF PATENTS

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 108356 108401 108502 108515 108517 108534 108599 108639  
 108748 108772 108936 114628 132891 135439 135487 136760

## RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 120751 granted to Viswanathaier Venugopalan for an invention relating to "Improvements in or relating to a portable ladder". The patent ceased on the 7th April, 1975 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 3rd April, 1976.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 29th July, 1976 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 131382 granted to Yelagalavadi Krishnacharya Raghunatha Rao for an invention relating to "Improvements in or relating to a continuous instant distillation still". The patent ceased on the 15th May, 1975 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 13th March, 1976.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 29th July, 1976 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

#### REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

Class 1. No. 143421. Velu Kuppusamy Kali Dasan, of No. 6, Fourth Cross Road, Raja Annamalaipuram, Madras-600028, Tamil Nadu, India, Indian National. "Lifting jacks-cum-tyre inflators". September 20, 1975.

Class 1. No. 143431. Lajpat Rai and Sri Krishan, both C/o. Metro Cycle Co. 49-A, Jhandewalan Cycle Market, New Delhi-110055, Indian Nationals, "Bottom bracket cup of a bicycle". September 22, 1975.

Class 3. No. 143417. Plastic Arts & Teeceekcm (India), an Indian Partnership Firm, carrying on business at Agarwal Estate, Jogeshwari (West), S. V. Road, Bombay-400060, Maharashtra, India. "Perpetual Calendar", September 18, 1975.

Class 3. No. 143422. Velu Kuppusamy Kali Dasan, of No. 6, Fourth Cross Road, Raja Annamalaipuram, Madras-600028, Tamil Nadu, India, Indian National. "Lifting Jacks-cum-tyre inflators". September 20, 1975.

Class 3. No. 143448. Plastic Arts & Teeceekem (India), an Indian Partnership Firm, at Agarwal Estate, Jogeshwari (West), S. V. Road, Bombay-400060, Maharashtra, India. "Stand for slips". September 26, 1975.

Class 3. No. 143546. Parsram Tikamdas Mansey, an Indian National at H-18, Gita Society, 10, Synagogue Street, Poona-411001, Maharashtra State, India. "Bib". November 5, 1975.

Class 4. No. 143494. Dr. Manharlal Chimanlal Thakkar, Indian National, 34, Universal Apartments, East Street, Poona-411001, Maharashtra State, India. "Precast reinforced concrete sunshade and lintel". October 15, 1975.

#### COPYRIGHT EXTENDED FOR A SECOND PERIOD OF FIVE YEARS

Design Nos. 138444, 138445, 138446, 138818, 138881, 139123, 139315, 139319, 139321 Class 3.

Design No. 138612 Class 4.

Design No. 139318, 139320 Class 8.

Design No. 138921 Class 10.

#### COPYRIGHT EXTENDED FOR A THIRD PERIOD OF FIVE YEARS

Design Nos. 127961, 127962, 127963, 127964 & 128237 Class 3.

S. VEDARAMAN,  
Controller-General of Patents, Designs and  
Trade Marks.